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# WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS AS OF DECEMBER 31, 1960. VOLUME 12. HAWAII

Public Health Service
Washington, D. C.

1962

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# WASTE WATER DISPOSAL PRACTICES

GENERAL SERVICES ADMINISTRATION

## At Federal Installations

## Volume 12 - HAWAII

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GENERAL SERVICES ADMINISTRATION

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service

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# WASTE WATER DISPOSAL PRACTICES
# at
# FEDERAL INSTALLATIONS
# as of December 31, 1960

## Volume 12 - HAWAII

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
Division of Water Supply and Pollution Control
Washington 25, D. C.

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## WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS

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| No. | | No. | |
|---|---|---|---|
| 1 | Alabama | 28 | Nebraska |
| 2 | Alaska | 29 | Nevada |
| 3 | Arizona | 30 | New Hampshire |
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| 5 | California | 32 | New Mexico |
| 6 | Colorado | 33 | New York |
| 7 | Connecticut | 34 | North Carolina |
| 8 | Delaware | 35 | North Dakota |
| 9 | District of Columbia | 36 | Ohio |
| 10 | Florida | 37 | Oklahoma |
| 11 | Georgia | 38 | Oregon |
| 12 | Hawaii | 39 | Pennsylvania |
| 13 | Idaho | 40 | Rhode Island |
| 14 | Illinois | 41 | South Carolina |
| 15 | Indiana | 42 | South Dakota |
| 16 | Iowa | 43 | Tennessee |
| 17 | Kansas | 44 | Texas |
| 18 | Kentucky | 45 | Utah |
| 19 | Louisiana | 46 | Vermont |
| 20 | Maine | 47 | Virginia |
| 21 | Maryland | 48 | Washington |
| 22 | Massachusetts | 49 | West Virginia |
| 23 | Michigan | 50 | Wisconsin |
| 24 | Minnesota | 51 | Wyoming |
| 25 | Mississippi | 52 | Puerto Rico |
| 26 | Missouri | 53 | Virgin Islands |
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### Department Volumes

| No. | |
|---|---|
| 54 | U. S. Department of Agriculture |
| 55 | U. S. Department of Defense (classified) |
| 56 | U. S. Departments of Commerce, Interior, Justice, Post Office, State, Treasury, and Health, Education, and Welfare |
| 57 | Independent Agencies of the U. S. Government |
| 58 | U. S. Department of Defense (classified) for Alaska, Hawaii, Puerto Rico and Virgin Islands only |

U. S. GOVERNMENT PRINTING OFFICE WASHINGTON 25, D. C.

1962

# CONTENTS
Volume 12


page

Introduction . . . . . v

Acknowledgment . . . . . viii

Key to codes used in reporting inventory data . . . . . ix

Listings of data . . . . . 1-3

Appendix
GSA Circular No. 232 and attachments . . . . . 7

# INTRODUCTION

## Inventory Background

The Federal Water Pollution Control Act (33 USC 466h), contemplates a Federal program in cooperation with State and interstate agencies and municipalities for the control and abatement of water pollution emanating from Federal installations.

The President, in a memorandum dated May 13, 1960, requested the Secretary of Health, Education, and Welfare to prepare an inventory of waste water disposal practices at Federal installations as a first step in the discharge of this responsibility. The President emphasized that the Federal establishment must point the way for the rest of the Nation by making certain its own house is in order with reference to the preventing and controlling of water pollution attributable to wastes discharged from Federal installations. The inventory, he stated, would assist the Federal agencies in determining what corrective actions may be required and how rapidly they may be accomplished to eliminate conditions contributing to such pollution.

On May 18, 1960, the Deputy Assistant to the President wrote the heads of all Federal departments and agencies, advising them of the President's instructions to the Secretary of Health, Education, and Welfare and stating that the President had asked them to provide "such assistance as may be requested by the Secretary of Health, Education, and Welfare in making this inventory and in completing it promptly."

The inventory entitled "Waste Water Disposal Practices at Federal Installations," of which this volume is a part, was prepared by the Department of Health, Education, and Welfare and the General Services Administration, in cooperation with all the Federal departments and agencies working in accordance with GSA Circular No. 232 (March 14, 1961). The circular, reproduced in the Appendix of this report, gives detailed instructions and criteria for the work.

## Inventory Coverage

The inventory covers waste water disposal practices of Federal activities on all real property owned by or leased to the Federal Government in all the 50 States, the District of Columbia, the Commonwealth of Puerto Rico, and the Virgin Islands. Included also are the waste water disposal practices of wholly Government-owned corporations and nonfederal activities conducted on Federal properties, such as those of construction contractors and park concessionaires.

Not covered are trust properties; space leased to the United States for offices, including post offices, in nonfederally owned or operated buildings; land without activities generating wastes; lookout towers, ranger offices, and single living quarters in national forests and remote areas, and seldom-visited and/or unattended communications stations.

## Source of Inventory Data

Following instructions of GSA Circular No. 232, personnel at the individual reporting installation supplied the identifying and technical data. These reports were submitted to their respective Washington, D. C. headquarters. Here they were reviewed for completeness and accuracy, then forwarded to the special technical staff of the Division of Water Supply and Pollution Control, Public Health Service, for further review for conformity to instructions and definitions. Any discrepancies or differences were resolved by mutual agreement at this point. Accepted reports were forwarded to the Bureau of the Census for processing for the present document.

## How to Identify the Columnar Listings

1. "GSA Control." The numbers in Agency or Bureau and Installation columns are codes assigned by GSA for identifying purposes. The Report Number is the serial number assigned each report as received by the special staff. A number in this column opposite a total indicates the number of reports which are included in that total.

2. "Geographical Location" numbers are those assigned by GSA in its publication "Geographic Location Codes."

3. "Card Number" indicates the classification of the point of discharge according to the code sheet (page ix) immediately preceding the detailed listings.

4. "Activity" indicates whether the waste-generating activity is Federal (1), or nonfederal (2).

5. "Population" is a code number to indicate the population size group contributing the waste volume in a normal day's operation. For security reasons this information is deleted from all Department of Defense entries except in the Departmental classified volume.

6. Sewage volume is measured in gallons per day. However, in cases of pit privies and chemical toilets, where fecal wastes are not water-borne, the figure in this column relates to persons per day and is followed by the letter "P" in the column headed "Persons." These figures are summarized separately whenever totals appear.

7. "Percent Treated" under both sewage and industrial wastes relates to the percent of total volume of discharge which receives any treatment before discharge from the installation. It does not reflect the degree of any treatment, nor does it reflect the extent of any treatment after the discharge has been received by municipal sewerage systems.

Under industrial wastes the following processes were considered as treatment: tanks and equipment for neutralization of alkalinity or acidity; oil and grease separation and removal; precipitation of solids; removal of cyanides and chromates.

Chemical treatment of cooling water to control corrosion within piping systems and equipment was not considered to be industrial waste treatment. Cooling water is shown as a percent of the total industrial waste discharge volume.

8. "Industrial Wastes" volumes are given in gallons per day if water-borne. If there are solid wastes alone or in conjunction with water discharges, the letter "S" appears in the column headed "Solids." The types of industry generating these wastes are indicated by the numbers under "Industrial Activity Codes." These are interpreted on the code sheet.

9. "Notification," if any, relates to the type and most recent date prior to January 1, 1961, of a notification to the installation, issued by a representative of a governmental department, commission, bureau, board, or other legally constituted entity that a pollution problem exists in relation to that specific installation. An interpretation of the type code is given on the code sheet. The dates, if any apply, are given in the date columns.

## Issuances of the Inventory

The reported data are issued in three types of listings and 58 volumes, as follows:

(1). Volumes 1-53 inclusive cover all reports for each of the 50 States, the District of Columbia, the Commonwealth of Puerto Rico, and the Virgin Islands. Listings are alphabetical by county and by city within each county. Where no city applies, the data are shown at the end of each county. No data on military installations appear in the volumes for Alaska, Hawaii, Puerto Rico and the Virgin Islands.

(2). Volumes 54-57 inclusive are agency listings covering, respectively:

U. S. Department of Agriculture - Volume 54

U. S. Department of Defense (classified confidential) - Volume 55

U. S. Departments of Commerce, Interior, Justice, Post Office, State, Treasury, and Health, Education and Welfare - Volume 56

Independent Agencies of the U. S. Government - Volume 57

These agency listings show the reports alphabetically by State and by city within each State. Where no city applies, the data are shown by county at the end of the State.

(3). Volume 58 contains Department of Defense (classified confidential) reports for Alaska, Hawaii, Puerto Rico, and the Virgin Islands. The listings in this volume are arranged in the same manner as in Volumes 1-53.

## ACKNOWLEDGMENT

The Department of Health, Education, and Welfare and the General Services Administration gratefully acknowledge the fine cooperation extended by all departments and agencies in completing this report and, most particularly, that of the Bureau of the Census of the Department of Commerce. The Bureau of the Census processed the data furnished by all departments and agencies.

# INVENTORY OF WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS KEY TO CODES

| DESCRIPTION | |
|---|---|
| CARD NUMBER | DESIGNATION |
| 0 | Installation Name, location & control number. |
| 1 | Public utility sewer system receiving wastes. |
| 2 | Surface water body receiving wastes. |
| 3 | To ground via septic tanks & subsurface drainage fields; cesspools; privy vaults; chemical toilets; lagoons, stabilization ponds & filters w/out discharge to surface body of water; deep wells; & spray or irrigation of land of reporting entity, etc. |
| 4 | Transferred to other users for cooling purposes &/or irrigation of land not within the reporting entity. |

| ACTIVITY | |
|---|---|
| CODE NUMBER | DESIGNATION |
| 1 | Federal activity generates all or major portion of wastes. |
| 2 | Non-federal activity generates all or major portion of wastes. |

| POPULATION SIZE | |
|---|---|
| CODE NUMBER | Total number of persons in reporting area during a 24-hr. day of normal operations. |
| 1 | 1 - 50 |
| 2 | 51 - 100 |
| 3 | 101 - 500 |
| 4 | 501 - 1000 |
| 5 | 1001 - 2500 |
| 6 | 2501 - 5000 |
| 7 | 5001 - 10,000 |
| 8 | over 10,000 |

| SEWAGE - PERSONS |
|---|
| The letter "P" entered in the "Sewage-Persons" column denotes that non-water-carried fecal wastes are being generated. The figure entered in the "Sewage-Volume-Gallons Per Day" column to the immediate left of the letter "P" indicates the number of people who are generating the solid wastes. There is no indication of the quantity of solid wastes being generated. When no "P" appears in the "Persons" column, the figure in the "Sewage-Volume-Gallons Per Day" column indicates the gallons per day of liquid sewage which is generated. |

| INDUSTRIAL WASTE - SOLIDS |
|---|
| The letter "S" entered in the "Industrial Wastes-Solids" column denotes that solid industrial wastes are being generated. There is no indication of the quantity of solid wastes being generated. When a figure appears in the "Industrial Waste-Volume-Gallons Per Day" column immediately to the left of an "S", the figure represents the gallons of liquid industrial wastes generated per day. |

| INDUSTRIAL ACTIVITY CODES | |
|---|---|
| CODE NUMBER | DESIGNATION |
| 10 | Metal mining |
| 11 | Anthracite, bituminous coal & lignite mining |
| 13 | Crude petroleum & natural gas extraction |
| 14 | Mining & quarrying of nonmetallic minerals, except fuels |
| 18 | Radioactive materials operations |
| 20 | Food & kindred products |
| 22 | Textile mill products |
| 24 | Lumber & wood products |
| 26 | Paper & allied products |
| 28 | Chemicals & allied products |
| 29 | Products of petroleum & coal |
| 30 | Rubber & rubber products |
| 31 | Leather & leather products |
| 33 | Primary metal industries |
| 34 | Fabricated metal products |
| 39 | Miscellaneous wastes including cooling water from mechanical equipment, run-off from vehicle & aircraft washing operations, spent solutions from engine cleaning & metal plating operations, boiler blow-down and condensate discharges from heating plants, overflow water from fish hatchery ponds, etc. |

| NOTIFICATION-TYPE | |
|---|---|
| CODE NUMBER | DESIGNATION |
| | Type of notification, if any, which has been received from an official source that existing waste water discharge practices may be responsible for creating a water pollution problem. |
| 1 | No notification received |
| 2 | Formal notice |
| 3 | Letter report |
| 4 | Verbal report |

## WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

| GSA CONTROL | | | GEOGRAPHIC LOCATION | | | CARD NO. | DESCRIPTION | ACTIVITY | POP. SITE | SEWAGE | | | INDUSTRIAL WASTE | | | | INDUSTRIAL ACTIVITY CODES | NOTIFICATION | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AGENCY OR BUREAU | INSTALLATION | REPORT NUMBER | STATE | CITY | COUNTY | | | | | VOLUME GALLONS PER DAY | PERSONS | PERCENT TREATED | VOLUME GALLONS PER DAY | FORMS | PERCENT TREATED | PERCENT COOLING | | TYPE | DATE NO. | DAY | YR. |
| | | | | | | | HAWAII | | | | | | | | | | | | | | |
| | | | | | | | HAWAII CO | | | | | | | | | | | | | | |
| | | | | | | | HAWAII NATL PARK | | | | | | | | | | | | | | |
| | | | | | | | INTERIOR | | | | | | | | | | | | | | |
| | | | | | | | NATIONAL PARK SERVICE | | | | | | | | | | | | | | |
| 1414 | 60034 | 16506 | 51 | 1700 | 001 | 03 | HAWAII NATIONAL PARK GROUND | 1 | 3 | 7,000 | | 100 | | | | | | 1 | | | |
| | | | | | | | HAWI | | | | | | | | | | | | | | |
| | | | | | | | TREASURY | | | | | | | | | | | | | | |
| | | | | | | | U S COAST GUARD | | | | | | | | | | | | | | |
| 2016 | 60549 | 08395 | 51 | 1800 | 001 | 02 | LORAN STATION HAWAII PACIFIC OCEAN | 1 | 1 | 4,800 | | 100 | | | | | | 1 | | | |
| | | | | | | | HILO | | | | | | | | | | | | | | |
| | | | | | | | TREASURY | | | | | | | | | | | | | | |
| | | | | | | | U S COAST GUARD | | | | | | | | | | | | | | |
| 2016 | 60547 | 08394 | 51 | 1900 | 001 | 03 | HILO MOORINGS GROUND | 1 | 1 | 2,100 | | 100 | | | | | | 1 | | | |
| | | | | | | | GENERAL SERVICES ADMIN | | | | | | | | | | | | | | |
| 4709 | 60151 | 12446 | 51 | 1900 | 001 | 01 | CUSTOMS WAREHOUSE HILO COUNTY SEWER | 1 | 2 | 166 | 0 | | 116 | 0 | 70 | | 39 | 1 | | | |
| 4709 | 60152 | 12447 | 51 | 1900 | 001 | 01 | POST OFF & COURTHOUSE HILO COUNTY SEWER | 1 | 2 | 2,266 | 0 | | 1,586 | 0 | 70 | | 39 | 1 | | | |
| | | | | | | | FEDERAL AVIATION AGENCY | | | | | | | | | | | | | | |
| 6901 | 61050 | 12755 | 51 | 9991 | 001 | 01 | HILO AIRPT AIR NAV AID ARPT TO HAWAII CO SEWER | 1 | 1 | 550 | 0 | | | | | | | 1 | | | |
| | | | | | | | PROP WITHOUT CITY IDENT | | | | | | | | | | | | | | |
| | | | | | | | INTERIOR | | | | | | | | | | | | | | |
| | | | | | | | GEOLOGICAL SURVEY | | | | | | | | | | | | | | |
| 1405 | 61288 | 11305 | 51 | 9999 | 001 | 03 | CHEMISTRY LABORATORY GROUND | 1 | 1 | 60 | 0 | | 50 | 0 | 0 | | 28 | 1 | | | |
| 1405 | 61288 | 11306 | 51 | 9999 | 001 | 03 | GEOPHYSICS BLDG GROUND | 1 | 1 | 60 | 0 | | 150 | 0 | 0 | | 28 | 1 | | | |
| | | 8 | | | | | 16 COUNTY TOTAL | | | 17,002 | | | 1,902 | | | | | | | | |
| | | | | | | | HONOLULU CO | | | | | | | | | | | | | | |
| | | | | | | | EWA | | | | | | | | | | | | | | |
| | | | | | | | COMMERCE | | | | | | | | | | | | | | |
| | | | | | | | COAST AND GEODETIC SURV | | | | | | | | | | | | | | |
| 1318 | 13648 | 08147 | 51 | 0500 | 003 | 03 | HONOLULU MAG SEISMO OBS GROUND | 1 | 1 | 4,000 | 0 | | | | | | | 1 | | | |
| | | | | | | | HONOLULU | | | | | | | | | | | | | | |
| | | | | | | | AGRICULTURE | | | | | | | | | | | | | | |
| | | | | | | | AGR RESEARCH SERVICE | | | | | | | | | | | | | | |
| 1212 | 60183 | 07911 | 51 | 2400 | 003 | 01 | FRUIT FLY LABORATORY HONOLULU BD WTR SUP | 1 | 1 | 5,000 | 0 | | | | | | | 1 | | | |
| | | | | | | | INTERIOR | | | | | | | | | | | | | | |
| | | | | | | | FISH AND WILDLIFE SERV | | | | | | | | | | | | | | |
| 1413 | 00000 | 20750 | 51 | 2400 | 003 | 01 | KEWALO BASIN FLEET HDQ HONOLULU CITY SEWER | 1 | 1 | 320 | 0 | | | | | | 20 | 1 | | | |
| | | | | | | 23 | KEWALO CHNL PAC OCEAN GROUND | | | 30 | 0 | | 131,760 | 0 | 0 | | | | | | |
| 1413 | 60874 | 20751 | 51 | 2400 | 003 | 01 | BIOLOGICAL LABORATORY HONOLULU CITY SEWER | 1 | 2 | 2,500 | 0 | | | | | | | 1 | | | |
| | | | | | | 03 | GROUND | | | 1,175 | 0 | | | | | | | | | | |
| | | | | | | | JUSTICE | | | | | | | | | | | | | | |
| | | | | | | | IMMIGRATION AND NAT SER | | | | | | | | | | | | | | |
| 1507 | 60009 | 00464 | 51 | 2400 | 003 | 01 | DISTRICT OFFICE HONOLULU CITY CO SEWER | 1 | 2 | 6,600 | 0 | | | | | | | 1 | | | |
| | | | | | | | POST OFFICE | | | | | | | | | | | | | | |
| | | | | | | | BUREAU OF FACILITIES | | | | | | | | | | | | | | |
| 1804 | 00025 | 15367 | 51 | 2400 | 003 | 01 | VEHICLE MAINT FACILITY HONOLULU CITY SEWER | 1 | 1 | 500 | 0 | | | | | | | 1 | | | |
| | | | | | | | TREASURY | | | | | | | | | | | | | | |
| | | | | | | | U S COAST GUARD | | | | | | | | | | | | | | |
| 2016 | 00000 | 08801 | 51 | 2400 | 003 | 01 | OFC OF MARINE INSP HONOLULU CITY SEWER | 1 | 1 | 1,100 | 0 | | | | | | | 1 | | | |
| 2016 | 60526 | 08385 | 51 | 2400 | 003 | 03 | BARBERS POINT LIGHT STA GROUND | 1 | 1 | 500 | 100 | | | | | | | 1 | | | |
| 2016 | 60536 | 08388 | 51 | 2400 | 003 | 03 | DIAMOND HEAD LIGHT STA GROUND | 1 | 1 | 400 | 100 | | | | | | | 1 | | | |
| 2016 | 60537 | 08389 | 51 | 2400 | 003 | 02 | MAKAPUU LIGHT STATION PACIFIC OCEAN | 1 | 1 | 1,200 | 100 | | | | | | | 1 | | | |
| 2016 | 60540 | 08797 | 51 | 2400 | 003 | 02 | DIST OFC ANNEX PIER 4 HARBOR | 1 | 2 | 8,300 | 0 | | 87,000 | 0 | 100 | | | 1 | | | |
| 2016 | 60541 | 08798 | 51 | 2400 | 003 | 01 | SAND IS BASE & SUP DEP ARMY BASE SEWER SYSTEM | 1 | 3 | 13,500 | 0 | | | | | | | 1 | | | |



GSA FORM 7-60C
MARCH 1960

## WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

| GSA CONTROL | | | GEOGRAPHIC LOCATION | | | CARD NO. | DESCRIPTION | ACTIVITY | POP. SIZE | SEWAGE | | | INDUSTRIAL WASTE | | | | INDUSTRIAL ACTIVITY CODES | | | NOTIFICATION | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AGENCY OR BUREAU | INSTALLATION | REPORT NUMBER | STATE | CITY | COUNTY | | | | | VOLUME GALLONS PER DAY | PERSONS | PERCENT TREATED | VOLUME GALLONS PER DAY | SOLIDS | PERCENT TREATED | PERCENT COOLING | | | | TYPE | DATE MO. | DAY | YR. |
| 2016 | 60551 | 08800 | 51 | 2400 | 003 | 01 | WAILUPE QUARTERS<br>HONOLULU CITY SEWER | 1 | 1 | | | | | | | | | | | | | | |
| 4709 | 60153 | 12448 | 51 | 2400 | 003 | 01 | GENERAL SERVICES ADMIN<br>PO CUSTOM HSE & CRT HSE<br>HONOLULU COUNTY SEWER | 1 | 4 | 1,400 | | 0 | | | | | | | | 1 | | | |
| 6701 | 61024 | 00192 | 51 | 2400 | 003 | 03 | U S INFORMATION AGENCY<br>HONOLULU RELAY STATION<br>GROUND | 1 | 1 | 23,100<br>250 | | 0<br>100 | 16,170 | | 0 | 70 | 39 | | | 1<br>1 | | | |
| 7513 | 60835 | 00567 | 51 | 2400 | 003 | 01 | HEALTH ED AND WELFARE<br>PUBLIC HEALTH SERVICE<br>U S QUARANTINE STATION<br>HONOLULU CITY SEWER | 1 | 1 | 1,534 | | 0 | | | | | | | | 1 | | | |
| 9601 | 11276 | 16641 | 51 | 2400 | 003 | 01 | DEFENSE<br>CORPS OF ENG CIVIL<br>U S ARMY ENGR DISTRICT<br>HONOLULU CITY SEWER | 1 | | 17,000 | | 0 | | | | | | | | 1 | | | |
| 2701 | 13639 | 00514 | 51 | 9600 | 003 | 03 | WAIPAHU<br>FEDERAL COMM COM<br>WAIPAHU MONITORING STA<br>GROUND | 1 | 1 | 200 | | 100 | | | | | | | | 1 | | | |
| 6901 | 61052 | 12759 | 51 | 9998 | 003 | 01 | OAHU ISLAND<br>FEDERAL AVIATION AGENCY<br>NAVIGATION FACILITIES<br>HONOLULU INTER AIR TOWER<br>ARPT HONOLULU CO SEW | 1 | 1 | 1,450 | | 0 | | | | | | | | 1 | | | |
| 6901 | 61052 | 12760 | 51 | 9998 | 003 | 01 | HONOLULU AIRPT TERM OFF<br>ARPT TO HONOLULU CO SEW | 1 | 1 | 300 | | 0 | | | | | | | | 1 | | | |
| 6901 | 61052 | 12761 | 51 | 9998 | 003 | 03 | KAHUKU AIR NAV AID<br>GROUND | 1 | 1 | 40 | | 0 | | | | | | | | 1 | | | |
| 6901 | 61052 | 12762 | 51 | 9998 | 003 | 03 | KALANIANAOL HWY REC STA<br>GROUND | 1 | 1 | 400 | | 0 | | | | | | | | 1 | | | |
| 6901 | 61052 | 12763 | 51 | 9998 | 003 | 03 | FT WEAVER TRANSMIT STA<br>GROUND | 1 | 1 | 440 | | 0 | | | | | | | | 1 | | | |
| 6901 | 61052 | 12764 | 51 | 9998 | 003 | 01 | DIAMOND HEAD IFSS CTR<br>ARPT TO HONOLULU CO SEW | 1 | 3 | 11,400 | | 0 | | | | | | | | 1 | | | |
| | | | | | | | PROP WITHOUT CITY IDENT<br>TREASURY | | | | | | | | | | | | | | | | |
| 2016 | 13052 | 08796<br>25 | 51 | 9999 | 003 | 01 | U S COAST GUARD<br>BARBERS PT AIR DETACH<br>NAVAL AIR STA SEWER<br>53 COUNTY TOTAL | 1 | 3 | 13,200<br>115,839 | | 0 | 234,930 | | | | | | | 1 | | | |
| | | | | | | | KALAWAO CO | | | | | | | | | | | | | | | | |
| 2016 | 60533 | 08387<br>1 | 51 | 3300 | 005 | 03 | KALAUPAPA<br>TREASURY<br>U S COAST GUARD<br>MOLOKAI LIGHT STATION<br>GROUND<br>2 COUNTY TOTAL | 1 | 1 | 250<br>250 | | 100 | | | | | | | | 1 | | | |
| | | | | | | | KAUAI CO | | | | | | | | | | | | | | | | |
| 2016 | 60543 | 08391 | 51 | 4900 | 007 | 02 | KILAUEA<br>TREASURY<br>U S COAST GUARD<br>KILAUEA LIGHT STAION<br>PACIFIC OCEAN | 1 | 1 | 1,200 | | 100 | | | | | | | | 1 | | | |
| 1804 | 60170 | 15368 | 51 | 6200 | 007 | 03 | LIHUE<br>POST OFFICE<br>BUREAU OF FACILITIES<br>POST OFFICE<br>GROUND | 1 | 1 | 300 | | 0 | | | | | | | | 1 | | | |
| 2016 | 60527 | 08386 | 51 | 6200 | 007 | 02 | TREASURY<br>U S COAST GUARD<br>NAWILIWILI LT ATTEN STA<br>PACIFIC OCEAN | 1 | 1 | 600 | | 100 | | | | | | | | 1 | | | |
| 2016 | 60542 | 08390 | 51 | 6200 | 007 | 03 | NAWILIWILI MOORINGS<br>GROUND | 1 | 1 | 2,000 | | 100 | | | | | | | | 1 | | | |
| 1320 | 61232 | 08110 | 51 | 9500 | 007 | 03 | WAIMEA<br>COMMERCE<br>NATL BUR OF STANDARDS<br>REPEAT AND MONITOR STA<br>GROUND | 1 | 1 | 20 | | 0 | | | | | | | | 1 | | | |
| | | | | | | | KAUAI ISLAND<br>TREASURY | | | | | | | | | | | | | | | | |
| 2016 | 60544 | 08392 | 51 | 9993 | 007 | 02 | U S COAST GUARD<br>KAUAI LORAN STATION<br>PACIFIC OCEAN | 1 | 1 | 1,300 | | 100 | | | | | | | | 1 | | | |



GSA FORM 7180C
MARCH 1961

## WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

| GSA CONTROL | | | GEOGRAPHIC LOCATION | | | CARD NO. | DESCRIPTION | ACTIVITY | POP. SIZE | SEWAGE | | INDUSTRIAL WASTE | | | | INDUSTRIAL ACTIVITY CODES | NOTIFICATION | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AGENCY OR BUREAU | INSTALLATION | REPORT NUMBER | STATE | CITY | COUNTY | | | | | VOLUME GALLONS PER DAY | PERCENT TREATED | VOLUME GALLONS PER DAY | SOLIDS | PERCENT TREATED | PERCENT CHLORINE | | TYPE | DATE MO. | DAY | YR. |
| | | | | | | | FEDERAL AVIATION AGENCY | | | | | | | | | | | | | |
| 6901 | 61051 | 12756 | 51 | 9993 | 007 | 01 | LIHUE AIRPT AIR NAV AID | 1 | 1 | | | | | | | | 1 | | | |
| | | | | | | | ARPT TO KAUAI CO SEWER | | | 300 | 0 | | | | | | | | | |
| | | | | | | | PROP WITHOUT CITY IDENT | | | | | | | | | | | | | |
| | | | | | | | TREASURY | | | | | | | | | | | | | |
| | | | | | | | U S COAST GUARD | | | | | | | | | | | | | |
| 2016 | 60550 | 08396 | 51 | 9999 | 007 | 02 | FR FRIG SHOALS LORAN STA | 1 | 1 | | | | | | | | 1 | | | |
| | | | | | | | PACIFIC OCEAN | | | 1,900 | 100 | | | | | | | | | |
| | | 8 | | | | | 16 COUNTY TOTAL | | | 7,620 | | | | | | | | | | |
| | | | | | | | MAUI CO | | | | | | | | | | | | | |
| | | | | | | | PAUWELA | | | | | | | | | | | | | |
| | | | | | | | TREASURY | | | | | | | | | | | | | |
| | | | | | | | U S COAST GUARD | | | | | | | | | | | | | |
| 2016 | 60546 | 08799 | 51 | 8100 | 009 | 02 | LIGHT STATION PAUWELA | 1 | 1 | | | | | | | | 1 | | | |
| | | | | | | | PACIFIC OCEAN | | | 400 | 0 | | | | | | | | | |
| | | | | | | | WAILUKU | | | | | | | | | | | | | |
| | | | | | | | GENERAL SERVICES ADMIN | | | | | | | | | | | | | |
| 4709 | 60154 | 12449 | 51 | 9300 | 009 | 01 | WAILUKU FEDERAL BLDG | 1 | 1 | | | | | | | | 1 | | | |
| | | | | | | | MAUI COUNTY SEWER | | | 2,933 | 0 | 2,053 | 0 | 70 | | 39 | | | | |
| | | | | | | | MAUI ISLAND | | | | | | | | | | | | | |
| | | | | | | | FEDERAL AVIATION AGENCY | | | | | | | | | | | | | |
| 6901 | 61054 | 12757 | 51 | 9995 | 009 | 01 | KAHULUI AIRPORT TOWER | 1 | 1 | | | | | | | | 1 | | | |
| | | | | | | | ARPT TO MAUI CO SEWER | | | 750 | 0 | | | | | | | | | |
| | | | | | | | MOLOKAI ISLAND | | | | | | | | | | | | | |
| | | | | | | | TREASURY | | | | | | | | | | | | | |
| | | | | | | | U S COAST GUARD | | | | | | | | | | | | | |
| 2016 | 60545 | 08393 | 51 | 9996 | 009 | 02 | MOLOKAI LORAN STATION | 1 | 1 | | | | | | | | 1 | | | |
| | | | | | | | PACIFIC OCEAN | | | 1,500 | 100 | | | | | | | | | |
| | | | | | | | FEDERAL AVIATION AGENCY | | | | | | | | | | | | | |
| 6901 | 61267 | 12758 | 51 | 9996 | 009 | 03 | MOLOKAI AIRPT FAN QTRS | 1 | 1 | | | | | | | | 1 | | | |
| | | | | | | | GROUND | | | 400 | 100 | | | | | | | | | |
| | | | | | | | PROP WITHOUT CITY IDENT | | | | | | | | | | | | | |
| | | | | | | | COMMERCE | | | | | | | | | | | | | |
| | | | | | | | NATL BUR OF STANDARDS | | | | | | | | | | | | | |
| 1320 | 60277 | 08107 | 51 | 9999 | 009 | 03 | FIELD REPEAT LAB | 1 | 1 | | | | | | | | 1 | | | |
| | | | | | | | GROUND | | | 80 | 0 | | | | | | | | | |
| | | 6 | | | | | 12 COUNTY TOTAL | | | 6,063 | | 2,053 | | | | | | | | |
| | | 48 | | | | | 99 STATE TOTAL | | | 146,774 | | 238,885 | | | | | | | | |



GSA FORM 7402
MARCH 1961

# APPENDIX


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**GENERAL SERVICES ADMINISTRATION**
WASHINGTON 25, D. C.

March 14, 1961

GENERAL SERVICES ADMINISTRATION CIRCULAR NO. 232

TO : Heads of Federal Agencies

SUBJECT: Reports on Waste Water Disposal Practices at Federal Installations

1. Purpose. This circular prescribes (a) reports necessary for the compilation of an inventory of waste water disposal practices at Federal installations, both owned by and leased to the United States, as of December 31, 1960; and (b) forms with detailed instructions for the preparation and submission of these inventory reports to the General Services Administration by the reporting agencies.

2. Authority. The authority of the Surgeon General of the U. S. Public Health Service to prescribe an inventory of waste water disposal practices at Federal installations is based upon sections 4c and 9 of the Federal Water Pollution Control Act (33 U.S.C. 466 c and h).

The President in a memorandum dated May 13, 1960, requested the Secretary of Health, Education, and Welfare "to take the lead in making an inventory of the pollution control situation at Federal installations." The Deputy Assistant to the President in a letter dated May 18, 1960, to the Heads of all Federal agencies advised them of the President's instructions to the Secretary of Health, Education, and Welfare and stated that, "the President has asked that you provide such assistance as may be requested by the Secretary of Health, Education, and Welfare in making this inventory and in completing it promptly."

The Secretary of Health, Education, and Welfare in a memorandum of agreement dated January 4, 1961, requested that the General Services Administration assist the Public Health Service in compiling an inventory of waste water disposal practices at Federal installations.

3. Reporting Agency. A reporting agency, for the purpose of this inventory, is the same as the one reporting for the inventories of real property owned by and/or leased to the United States Government as prescribed in GSA Reg. 2-XI-201.01 and 2-XI-202.01.



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4. Coverage. The reports of waste water disposal practices prescribed by this circular shall cover all waste water generated by activities of the United States, from all real property owned by and leased to the Federal Government, including wholly owned Government corporations, in the fifty States of the United States, the District of Columbia, the Commonwealth of Puerto Rico, and the Virgin Islands. Reports shall also cover waste water from (1) nonfederal activities conducted in Federal buildings or structures and (2) activities on Federal land carried on by a nonfederal operator acting as an agent for and under the supervision of the United States, such as construction contractors and park concessionaires. For purposes of this circular, waste water disposal is defined to include (a) all discharges from building plumbing systems, (b) all fecal discharges whether or not water carried, (c) all liquid wastes from active or abandoned industrial activities, including cooling waters, and (d) all solid wastes from active or abandoned industrial activities which are discharged directly into, or which may find their way into, surface or ground waters.

Reports are required for all real property owned by and leased to the United States except:

a. Installations held in trust by the United States,

b. All building locations leased to the United States for use as offices or post offices, as reportable on GSA Form 1166A,

c. Installations consisting only of land where there are no reportable activities generating wastes as defined in the preceding paragraph,

d. Lookout towers, ranger offices and single quarters in National Forests and other remote areas, and

e. Installations from which no wastes as defined in this circular are generated, such as seldom-visited, unattended installations consisting of automatic signalling, lighting, gauging or warning devices.

5. Reports to be Submitted. Each reporting agency shall prepare, in accordance with instructions in Attachment 1a, and submit to the General Services Administration, a separate report on GSA Form 1166C, Report of Waste Water Disposal Practices at Federal Installations (Attachment 1) for each reporting entity as defined in Attachment 1a, Paragraph 1, as of December 31, 1960.

Each reporting agency shall also prepare, in accordance with instructions in Attachment 2a, and submit to General Services Administration for each Bureau or comparable organizational unit, a report on GSA Form 1209C, Number of Reports Submitted - Waste Water Disposal Practices at Federal Installations (Attachment 2).

An original and two copies of each report shall be submitted to the General Services Administration, Office of Comptroller, Washington 25, D. C., not later than 120 days subsequent to date of issuance of this circular.

6. Supplies of Forms. GSA Forms 1166C and 1209C may be obtained from General Services Administration, Office of Regional Administrative Assistant, Reproduction and Distribution Division, General Services Regional Office Building, Washington 25, D. C. The telephone number is Government dial code 13, extension 36453.

7. Agency Liaison. The Agency Liaison representative on real property inventories, designated pursuant to GSA Regulation 2-XI-101.06, also shall serve for purposes of this inventory. If desired, a special agency representative may be designated for purposes of this inventory of waste water disposal practices at Federal installations. When an agency designates a special representative for this inventory, it shall be his responsibility to coordinate all reports with the regular real property liaison representative. The General Services Administration, Office of Comptroller, Washington 25, D. C., shall be advised in writing of the names of all such special liaison representatives or any changes in such designation.

8. Inquiries. For additional information regarding the content of this circular, or any questions or problems relating thereto, agency representatives may communicate with the General Services Administration, Office of Comptroller, Washington 25, D. C., telephone: Government dial code 183, extension 4131.

John L. Moore

JOHN L. MOORE
Administrator

Attachments

**GENERAL SERVICES ADMINISTRATION**

# REPORT OF WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS

FORM APPROVED BUDGET BUREAU NO. 29-6102

1. AGENCY CONTROL NO.

2. REPORT AS OF December 31, 1960

3. GSA CONTROL NO.

4. THIS BLOCK FOR GSA USE

5. NAME OF INSTALLATION*

6. ACTIVITY *(Check one)*
☐ (1) FEDERAL ACTIVITY ☐ (2) NONFEDERAL ACTIVITY

7. REPORTING AGENCY

8. INSTALLATION POPULATION *(Check one)*
☐ (1) 1-50 ☐ (5) 1001-2500
☐ (2) 51-100 ☐ (6) 2501-5000
☐ (3) 101-500 ☐ (7) 5001-10,000
☐ (4) 501-1000 ☐ (8) MORE THAN 10,000

9. BUREAU OR OTHER MAJOR ORGANIZATION

## LOCATION OF INSTALLATION

10. STATE OR CONT.

11. CITY OR TOWN

12. STREET ADDRESS, RFD, ROUTE NO., OR OTHER LOCAL DESIGNATION

13. COUNTY OR COUNTRY

14. GEOGRAPHICAL CODE | STATE OR CONT. | CITY OR TOWN | COUNTY OR COUNTRY

## WASTE WATER DISCHARGE

| CODE | 15. POINT OF DISCHARGE | SEWAGE 16. EST. DISCHARGE/DAY (gallons) | SEWAGE 17. PERCENT TREATED | INDUSTRIAL WASTE 18. EST. DISCHARGE/DAY (gallons) | INDUSTRIAL WASTE 19. PERCENT TREATED | INDUSTRIAL WASTE 20. PERCENT COOLING |
|---|---|---|---|---|---|---|
| 1. | PUBLIC UTILITY SEWER (Name of Owner and/or Operator)* | | | | | |
| 2. | SURFACE WATER BODY (Name of Body)* | | | | | |
| 3. | GROUND | | | | | |
| 4. | TRANSFERRED TO OTHER USERS | | | | | |
| | TOTAL | | | | | |

## 21. ACTIVITIES GENERATING INDUSTRIAL WASTE *(Check as appropriate)*

☐ (10) METAL MINING
☐ (11) ANTHRACITE, BITUMINOUS COAL & LIGNITE MINING
☐ (13) CRUDE PETROLEUM & NATURAL GAS EXTRACTION
☐ (14) MINING & QUARRYING OF NONMETALLIC MINERALS, EXCEPT FUELS
☐ (18) RADIOACTIVE MATERIALS OPERATIONS
☐ (20) FOOD AND KINDRED PRODUCTS
☐ (22) TEXTILE MILL PRODUCTS
☐ (24) LUMBER AND WOOD PRODUCTS
☐ (26) PAPER AND ALLIED PRODUCTS
☐ (28) CHEMICALS AND ALLIED PRODUCTS
☐ (29) PRODUCTS OF PETROLEUM AND COAL
☐ (30) RUBBER AND RUBBER PRODUCTS
☐ (31) LEATHER AND LEATHER PRODUCTS
☐ (33) PRIMARY METAL INDUSTRIES
☐ (34) FABRICATED METAL PRODUCTS
☐ (39) MISCELLANEOUS MANUFACTURING INDUSTRIES

## 22. NOTICE ON WATER POLLUTION *(Check and complete as appropriate)*

☐ (1) NO NOTIFICATION RECEIVED
☐ (2) FORMAL NOTICE _____ (Date)
☐ (3) LETTER REPORT _____ (Date)
☐ (4) VERBAL REPORT _____ (Date)

23. REMARKS *(Use reverse if more space is required)*

24. PREPARED BY *(Type name and title)*

25. SIGNATURE

26. DATE

*Abbreviate when necessary so as not to exceed 23 letters and spaces.



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GSA FORM FEB 61 1166C

## INSTRUCTIONS FOR THE PREPARATION OF GSA FORM 1166C, REPORT OF WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS

1. General Instructions.

a. Coverage and Reporting Agency. GSA Form 1166C, Report of Waste Water Disposal Practices at Federal Installations, shall be prepared by all reporting agencies as of December 31, 1960, in an original and two carbon copies. These reports shall cover all waste water generated by activities of the United States, from all real property owned by and leased to the Federal Government, including wholly owned Government corporations, in the fifty States of the United States, the District of Columbia, the Commonwealth of Puerto Rico, and the Virgin Islands. Reports shall also cover waste water from (1) nonfederal activities conducted in Federal buildings or structures and (2) activities on Federal land carried on by a nonfederal operator acting as an agent for and under the supervision of the United States, such as construction contractors and park concessionaires. For purposes of this circular, waste water disposal is defined to include (a) all discharges from building plumbing systems, (b) all fecal discharges whether or not water carried, (c) all liquid wastes from active or abandoned industrial activities, including cooling waters, and (d) all solid wastes from active or abandoned industrial activities which are discharged directly into, or which may find their way into, surface or ground waters.

Reports are required for all real property owned by and leased to the United States except:

(1) Installations held in trust by the United States,

(2) All building locations leased to the United States for use as offices or post offices, as reportable on GSA Form 1166A,

(3) Installations consisting only of land where there are no reportable activities generating wastes as defined in the preceding paragraph,

(4) Lookout towers, ranger offices and single quarters in National Forests and other remote areas, and

(5) Installations from which no wastes as defined in this circular are generated, such as seldom-visited, unattended installations consisting of automatic signalling, lighting, gauging or warning devices.



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For purposes of this inventory, a reporting agency shall be the same as that prescribed for the annual inventories of real property owned by and leased to the United States Government in GSA Regulations 2-XI-201.01 and 2-XI-202.01.

b. Reporting Entity. It is the purpose of this inventory to locate and describe the sources of all wastes generated from Federal installations which affect, or are likely to affect, the quality of either surface or ground waters. Thus, a reporting entity for purposes of this inventory may differ somewhat from the entity used in the inventories of real property owned by and leased to the United States.

(1) Single Report from Federal Installations.

A Federal installation which generates waste discharging to not more than one of any or all types of discharge points as described in Block 15 of these instructions is the same reporting entity for this inventory as in the Federal real property inventories. Reports should be so prepared that waste waters which are discharged from a single waste water system within an installation through one or more effluent pipes directly into a single surface water body are included in one reporting entity.

(2) Two or more Reports from Federal Installations.

(a) A Federal installation which generates waste discharging to more than one of any or all types of discharge points as described in Block 15 of these instructions is the subject of two or more reports. In the case of these installations, a reporting entity is to be determined in accordance with the occurrence and location of any activities taking place thereon which result in the discharge of waste waters to a water body or to the ground. If waste waters are separately handled in separate parts of an installation, even though effluents are discharged to the same water body but at different discharge points, individual reports shall be prepared for each of the separate systems.

Example: An individual unit of a military base having its own sewage disposal facilities is considered a reporting entity even though the effluent from this unit enters the same stream as that receiving the waste waters from some other part of the base.

(b) Wherever waste waters are discharged to two or more different bodies of water, or to widely separated points on the same body of water, each such discharge shall be considered to be a separate reporting entity.

Example: Two parts of a single Federal installation discharging waste waters separately to two different streams are considered as two separate reporting entities.

(c) Where waste waters are disposed of into two or more points of the ground, all such disposal facilities on a Federal installation which are located within a radius of one-half mile shall be included in one reporting entity unless there are well-defined units with a lesser radius which will more exactly describe the facilities.

2. Specific Instructions for Preparation of GSA Form 1166C.

a. Date, Agency, and Property Identification.

Block 1. Agency Control No. For identification purposes, each reporting agency may assign an agency control number to each report.

Block 2. Report As Of. The effective date of this report, December 31, 1960, is preprinted on the form.

Block 3. GSA Control No. Enter in this block the GSA control number assigned to the GSA Forms 1166 or 1166A covering the real property owned by or leased to the Federal Government for which this report is prepared. In some cases several reports for the purpose of this inventory may be covered by real property reported under one GSA control number on GSA Forms 1166 or 1166A. In the case of installations being reported for the first time enter ("NEW").

Block 4. This block for GSA use.

Block 5. Name of Installation. When this report covers all real property reported on GSA Forms 1166 or 1166A as of June 30, 1960; enter the same name shown on these forms. When this report covers only a part of the real property previously reported, enter the commonly used name for the portion of the real property being reported. When an installation is located in more than one State, a separate report is required to cover the

portion of the installation located in each State. Abbreviate the name of the installation, when necessary, so that it shall not exceed 23 type spaces, including blank spaces between letters or words. For example, "First National Bank Building" which has 28 type spaces may be abbreviated "First Nat Bank Bldg".

Block 6. Activity. Check the applicable box to indicate the predominant activity generating waste waters. These activities are:

| Code | Activity Type |
|---|---|
| 1 | Federal activity. |
| 2 | Nonfederal activity. |

Only one box should be checked for each report. When only activity of the United States Government generates the reported waste, check the box for Code 1. When a Federal installation contains some minor nonfederal activities which generate waste flowing into the same point of discharge being reported for U. S. activities, check only the box for Code 1. Examples of these minor activities are a restaurant concession occupying a small portion of a Federal building, launderies, and gasoline facilities on military installations, etc. When nonfederal activities on Federal real property are the major or only source generating waste reported, check the box for Code 2 and give the name of the operator in Block 23, Remarks.

Block 7. Reporting Agency. Enter the name of the reporting agency; that is, the department, commission, administration, or authority. For example: Department of Commerce, Atomic Energy Commission, Veterans Administration, or Tennessee Valley Authority.

Block 8. Installation Population. Check the box for the appropriate code to show the total number of persons in the area covered by this report during a 24-hour day of normal operations. The codes and respective population description follow.

| Code | Number of Persons |
|---|---|
| 1 | 1-50 |
| 2 | 51-100 |
| 3 | 101-500 |
| 4 | 501-1000 |
| 5 | 1001-2500 |
| 6 | 2501-5000 |
| 7 | 5001-10,000 |
| 8 | more than 10,000 |

Block 9. Bureau or Other Major Organization. Enter the name of the reporting Bureau or comparable major organization unit within the reporting agency. For example: National Bureau of Standards.

Block 10. State or Continent. Enter the name of the State (in U.S.) or continent (outside U.S.) in which the real property is located. When an installation is located in more than one State, a separate report shall be submitted to cover the portion of the installation located in each State.

Block 11. City or Town. Enter the name of the city or town in or near which the installation is located, provided (1) the installation is in one county only, and (2) the designated city or town is in the same county as the location of the installation (Block 13.). When these circumstances do not apply, enter "No City Identification".

Block 12. Street Address. Enter the street address, RFD, route number or other local designation.

Block 13. County or Country. Enter the name(s) of the county, counties, parish(es) (in U.S.) or U.S. territory or possession, (outside U.S.) in which the real property is located. Separate reports for each county in the same State are not required; however, the name of each county must be entered in this block. If the space is insufficient, complete the list of counties under "Remarks", Block 23.

Block 14. Geographical Code. Enter the appropriate numerical code for the location of the installation as shown in Blocks 10, 11, and 13 in the following sequence: State or Continent (2 digits), City or Town (4 digits), County or Country (3 digits). (Example: Coral

Gables, Dade County, Florida, will be shown as 09-0670-025.)

Codes shall be obtained from the publication "Geographical Location Codes", issued by the General Services Administration, Office of Comptroller. (See GSA Circular No. 146, Revision No. 2, dated June 30, 1960.) Do not fill in this space if the geographical code is not known. When the location of the installation cannot be identified with any city (Block 11) the code under "City" shall be reported as 9999. When the installation is located in more than one county (Block 13), the code under "County" shall be reported as 999.

b. Waste Water Discharge.

Block 15. Point of Discharge. The points of discharge are preprinted in this block.

When one of the points of discharge is a public utility sewer, enter the name of the owner and/or operator of the sewer system in the appropriate space provided in this block under the preprinted "Public Utility Sewer." Abbreviate the name of the owner, when necessary, so as not to exceed 23 type spaces and/or letters, including the blank spaces between letters or words.

When one of the points of discharge is a surface water body, enter the name of this body in the space provided in Block 15 under "Surface Water Body." Abbreviate the name of the body, when necessary, so as not to exceed 23 type spaces and/or letters, including blank spaces between letters or words. The various points of discharge are described below.

| Code | Description |
|---|---|
| 1 | Public Utility Sewers are generally municipal, county, or other local governmental systems. They are also defined to include any pipe, conduit, or receiving chamber which is part of a sewer system owned and/or operated by any other than the reporting entity. |
| 2 | Surface Water Body shall mean any river, stream, lake, pond, tidal, or estuarial water. |

It shall include sewage lagoons or waste stabilization ponds, whose effluents discharge to a surface water body.

3 Ground shall mean the discharge into septic tanks, cesspools and subsurface disposal fields, privy vaults, chemical toilets, sewage lagoons or stabilization ponds where no effluent discharges to a surface water body. Also include deep wells or spray and other irrigation on land of the reporting entity.

4 Transferred to Other Users shall mean that the waste water discharge is actually piped or otherwise transferred to some person, public or private body other than the reporting entity for use such as for cooling purposes, or irrigation on land not within the reporting entity.

Block 16. Estimated Sewage Discharge Per Day. Enter the estimated average discharge of sewage in gallons per day for each point of discharge printed in Block 15. Include all discharges from building plumbing systems. In the case of fecal discharges which are not water-carried, enter the number of persons using that particular facility during an average day and use the letter "P" after the figure for number of persons. Show the total discharge as reported in gallons for Codes 1, 2, 3, and 4, and enter the total in the space so marked.

Block 17. Percent of Sewage Treated. For each point of discharge reported in Block 16, enter the percent to show the portion of this sewage which is treated by the reporting agency and/or lessee of the property. Under "Remarks" Block 23, describe briefly this treatment.

Block 18. Estimated Industrial Waste Discharge Per Day. This block is to be used to report both liquid and solid wastes from active or abandoned industrial activities. Enter the estimated average discharge of liquid waste including cooling waters in gallons per day for each applicable point of discharge printed in Block 15.

If there are any solid wastes as defined in this circular, paragraph 4, Coverage, enter the letter "S" after the figure reporting gallons of liquid discharge. If there are solid wastes only, enter the letter "S". Show the total industrial liquid waste discharge in gallons for Codes 1, 2, 3, and 4 in the "Total" space.

Block 19. Percent of Industrial Waste Treated. For each point of discharge of industrial waste reported in Block 18, enter the percent to show the portion of this total industrial waste which is treated by the reporting agency and/or lessee of the property. Under "Remarks" Block 23, describe briefly this treatment.

Block 20. Percent Cooling Water. For each point of discharge reported in Block 18, enter the percent of this industrial waste which is cooling water.

Block 21. Activities Generating Industrial Wastes. When industrial wastes are reported, check the necessary boxes for codes representing activities conducted at this installation which generate industrial wastes. The codes and classifications of activities generating industrial wastes follow:

| Code | Description |
|---|---|
| 10 | Metal Mining includes establishments primarily engaged in mining, developing mines, or exploring for metallic minerals (ores). These ores are valued chiefly for the metals contained to be recovered for use as such or as constituents of alloys. In addition, ores of rare earth metals and titanium are included. This major group also includes all ore dressing and beneficiating operations whether performed at mills operating in conjunction with the mines served or at mills, such as custom mills, operated separately. These include mills which crush, grind, wash, dry, sinter, or leach ore, or perform gravity separation or flotation operations. Exception: Any metal mining as defined under this code which is concerned primarily with uranium or other radioactive ores shall be reported under Code 18, Radioactive Materials Operations. |
| 11 | Anthracite, Bituminous Coal, and Lignite Mining includes establishments primarily engaged in producing anthracite (hard coal), bituminous coal, or lignite. Mining operations, dredging operations, and preparation plants such as cleaning plants, breakers, and washeries, whether or not such plants are operated in conjunction with the mines served, are included. |

13 Crude Petroleum and Natural Gas Extraction includes establishments primarily engaged in producing crude petroleum, natural gas, natural gasoline, and cycle condensate. Types of activities included are explorations, drilling, well operation and maintenance, and the operation of natural gasoline and cycle plants. The group includes emulsion breaking and desilting of crude petroleum performed to render the oil marketable, and the production of petroleum products from lignite.

14 Mining and Quarrying of Nonmetallic Minerals, Except Fuels includes establishments primarily engaged in mining or quarrying, developing mines, or exploring for nonmetallic minerals, except fuels.

18 Radioactive Materials Operations includes all operations involved in mining, developing mines or exploring for uranium or other radioactive ores; all operations involved in processing such ores for the separation of radioactive materials; and all operations involved in handling and fabricating of such materials. Also included are all nuclear reactor operations such as those involved in the production of radioactive isotopes, in the testing of experimental units or in the production of power. Exception: Operations where radioactive materials are used in medical diagnostic, therapeutic or research procedures or as tracers in industrial or other research, are not included in this Code, and such operations are not to be considered in this inventory.

20 Food and Kindred Products includes establishments manufacturing foods and beverages for human consumption, and certain related products such as manufactured ice and prepared feeds for animals and fowls.

22 Textile Mill Products includes establishments engaged in performing any of the following operations, regardless of the type of fiber used: (1) manufacturing yarn, thread, cordage, and twine; (2) manufacturing woven fabric, carpets and rugs, braids, laces, knit fabric,

knit garments, and other products from yarn; (3) dyeing and finishing fibers, yarn, and fabrics, and (4) coating, waterproofing, and otherwise treating fabric. Also included are establishments engaged in manufacturing felt fabrics and products.

24 Lumber and Wood Products includes logging camps engaged in cutting timber and pulpwood; merchant sawmills, veneer mills, lath mills, shingle mills, cooperage-stock mills, planing mills and plywood mills engaged in producing lumber and wood basic materials; and establishments engaged in manufacturing finished articles made entirely, or mainly, of wood or wood substitutes, including furniture.

26 Paper and Allied Products includes the manufacture of pulp primarily from wood, and from rags and other fibers; the conversion of these pulps into any kind of paper or paperboard; and the manufacture of paper and paperboard into converted paper products such as coated paper, paper bags, paper boxes, cards and envelopes.

28 Chemicals and Allied Products includes establishments producing basic chemicals, establishments manufacturing products by predominantly chemical processes; includes manufacture of photographic chemicals.

29 Products of Petroleum and Coal includes establishments refining crude petroleum and manufacturing coke and coke-oven products, paving and roofing materials, and other products made from petroleum and coal; includes establishments manufacturing and distributing gas to consumers.

30 Rubber and Rubber Products includes establishments refining natural rubber or manufacturing synthetic rubber, includes establishments manufacturing from natural or synthetic rubber, gutta percha, balata, or gutta siak, all kinds of rubber products such as tires, rubber footwear, mechanical rubber goods, and rubber sundries. This group also includes establishments manufacturing reclaimed rubber or rebuilt and retreaded rubber tires.

31 Leather and Leather Products includes establishments engaged in tanning, currying, and finishing hides and skins, and establishments manufacturing finished leather and artificial leather products and similar products made of other materials.

33 Primary Metal Industries includes establishments engaged in the smelting and refining of ferrous and nonferrous metal from ore, pig, or scrap; in the rolling, drawing, and alloying of ferrous and nonferrous metals; and in the manufacture of castings, forgings, and other basic products of ferrous and nonferrous metals. All operations involved primarily with uranium or other radioactive materials shall be reported under Code 18, Radioactive Materials Operations.

34 Fabricated Metal Products includes establishments engaged in fabricating ferrous and nonferrous metal products such as tin cans and other tinware, hand tools, cutlery, general hardware, nonelectric heating apparatus, fabricated structural metal products, metal stampings, lighting fixtures, fabricated wire products, and a variety of metal products not elsewhere classified. Includes ordnance, machinery and transportation equipment.

39 Miscellaneous Manufacturing Industries includes establishments primarily engaged in manufacturing products not classified in any other manufacturing major group.

Block 22. Notice on Water Pollution. Check the appropriate box to indicate the type of notification, if any, which has been received from an official source that existing waste water discharge practices at the installation reported may be responsible for any water pollution problem. Codes and types of advice follow:

| Code | Type of Advice |
|---|---|
| 1 | No notification received |
| 2 | Formal notice |
| 3 | Letter report |
| 4 | Verbal report |

For the type of notice checked, enter the date. The date shall be entered by its numerical designation using 6 digits for the month, day, and year. For example, February 5, 1960, would be reported as 02-05-60. If more than one notice has been received, enter the latest notice in this block. Other notices shall be described in Block 23.

c. Remarks, Signature, and Date

Block 23. Remarks. When nonfederal activities are reported in Block 6, enter the name of the operator here. Where treatment is indicated in Block 17 and/or 19, enter a description of each element of the treatment process in this block. Also, enter a description of notices concerning water pollution problems received prior to the notice shown in Block 22, if any. If it is necessary to clarify or expand any entries beyond the space provided in the various blocks, make such notations in this block and continue, if necessary, on the reverse of the form.

Block 24. Prepared by. Type in the name and title of the official responsible for the preparation of the report.

Block 25. Signature. The official designated in Block 24 shall sign his name in the block.

Block 26. Date. Enter the date on which the report was prepared.

| GENERAL SERVICES ADMINISTRATION<br>NUMBER OF REPORTS SUBMITTED<br>WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS | FORM APPROVED BUDGET BUREAU NO. 29-6101 | 1. AS OF<br>December 31, 1960 |
|---|---|---|
| 2. REPORTING AGENCY | 3. BUREAU OR OTHER MAJOR ORGANIZATION | |

| TOTAL NUMBER OF REPORTS FOR INSTALLATIONS IN: - | NUMBER OF REPORTS SUBMITTED |
|---|---|
| 4. THE UNITED STATES *(The 50 States and the District of Columbia)* ..... | |
| 5. PUERTO RICO ..... | |
| 6. THE VIRGIN ISLANDS ..... | |
| 7. GRAND TOTAL NUMBER OF REPORTS (4+5+6) ..... | |

8. REMARKS

| 9. PREPARED BY *(Type name and title)* | 10. SIGNATURE | 11. DATE |
|---|---|---|
| | | |

GSA FORM FEB 61 1209C

## INSTRUCTIONS FOR THE PREPARATION OF GSA FORM 1209C, NUMBER OF REPORTS SUBMITTED - WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS

1. General Instructions. GSA Form 1209C, Number of Reports Submitted - Waste Water Disposal Practices at Federal Installations, shall be prepared by each reporting agency for each bureau or other major organizational unit.

   GSA Form 1209C is intended to provide a control over individual inventory reports of waste water disposal at Federal installations submitted on GSA Forms 1166C.

   A separate GSA Form 1209C shall be prepared for each bureau or other comparable major organizational unit. An original and 2 carbon copies of this form together with the related GSA Forms 1166C shall be prepared and submitted to the General Services Administration, Office of Comptroller, Washington 25, D. C., not later than 120 days subsequent to date of issuance of this circular.

2. Specific Instructions.

   a. Date, Reporting Agency, and Bureau.

      Block 1. As Of. The effective date of this report, December 31, 1960, is preprinted on the form.

      Block 2. Reporting Agency. Enter in this block the name of the reporting agency, that is, the department, commission, administration, or authority. For example: Department of Commerce, Atomic Energy Commission, Veterans Administration, or Tennessee Valley Authority.

      Block 3. Bureau or Other Major Organizational Unit. Enter on this line the name of the bureau or other comparable major organizational unit within the reporting agency. For example: National Bureau of Standards or Bureau of Land Management.

   b. Total Number of Reports for Installations by Location.

      Block 4. The United States (The 50 States and the District of Columbia). Enter in this block the total number of reports, GSA Forms 1166C, submitted for installations in the United States.



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Block 5. Puerto Rico. Enter in this block the total number of reports, GSA Forms 1166C, submitted for installations located in Puerto Rico.

Block 6. The Virgin Islands. Enter in this block the number of reports, GSA Forms 1166C, submitted for installations located in the Virgin Islands.

Block 7. Grand Total Number of Reports (4+5+6). Enter in this block the total number of reports, GSA Forms 1166C, submitted by the reporting bureau or other major organizational unit. This amount should agree with the sum of Blocks 4, 5, and 6.

c. Remarks.

Block 8. Remarks. Indicate in Block 8 if Public Health Service technical assistance may be desired to deal with unusual or persistent water pollution control problems, and specify.

Block 9. Prepared by. Type in the name and title of the official responsible for the preparation of the report.

Block 10. Signature. The official designated as responsible for the preparation of the report shall sign his name in this block.

Block 11. Date. Enter date on which the report was prepared.



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